## Elabscience Biotechnology Co., Ltd.



A Reliable Research Partner in Life Science and Medicine

# **MFN2** Polyclonal Antibody

catalog number: E-AB-32025

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Desci	PTT	ш	nn
DCS CI		JUL	ш

Reactivity Human; Mouse; Rat

**Immunogen** Synthesized peptide derived from the Internal region of human Mfn2.

Host Rabbit Isotype IgG

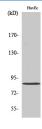
PurificationAffinity purificationConjugationUnconjugated

**Buffer** Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein

protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300

#### Data



Western Blot analysis of HuvEc cells using Mfn2 Polyclonal

Antibody at dilution of 1:1000.

Observed-MW:86 kDa Calculated-MW:86 kDa

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** The product is shipped with ice pack, upon receipt, store it immediately at the

temperature recommended.

### Background

This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified.

#### For Research Use Only